

(19) Japanese Patent Office

(11) JP 01279943 A

(45) 19891110

(21) Application number: 63129954
(22) Date of filing: 19880527

(51) Int Cl.: C08L02500, C08F28700, C08F29704
(30) Priority: JP 62311530 19871209

(54) STYRENE RESIN COMPOSITION

(72) Inventor(s): TSUBOKURA YUTAKA
TERADA EIICHI

(73) Assignee(s): IDEMITSU PETROCHEM CO LTD

(57) PURPOSE: To obtain a styrene resin composition improved in gloss and impact resistance by copolymerizing a styrene with a specified wholly blocked styrene/ butadiene block copolymer.

CONSTITUTION: 92-60wt.% styrene component comprising styrene and, optionally, at most 50wt.% monomer copolymerizable therewith is prepolymerized with 8-40wt.% wholly blocked styrene/butadiene block copolymer of a content of repeating styrene units of 10-50wt.%, an MW of 80,000-300,000 and a weight-average MW of the blocked PS of 15,000-150,000 at 70-150°C in the presence of an MW modifier and, optionally, a polymerization catalyst. The product of prepolymerization is then suspension-polymerized in the presence of a suspending agent, and the obtained product is dried and pelletized to obtain the title composition of a rubber particle diameter of 0.1-1.8μm and an MW of the matrix of 100,000-300,000.

COPYRIGHT: (C)1989,JPO& Japio